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 Luke Jefferson, Richard Harvey

October 2006 **Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility Assets '06**

Publisher: ACM Press

Full text available:  pdf(399.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Important visual information often disappears when color documents are viewed by color blind people. The algorithm introduced here maps colors using the World Wide Web Consortium evaluation criteria so that detail is preserved for color blind viewers, especially dichromats. The algorithm has four parts: 1) select a representative set of colors from the source document; 2) compute target color distances using color and brightness differences; 3) solve an optimization step that preserves the targe ...

Keywords: accessibility, assistive technology, color vision deficiency

- 2 [Session 2 \(monday, june 5th--2:00-3:00 pm\): How to play a coloring game against a](#) 

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Ke Chen

June 2006 **Proceedings of the twenty-second annual symposium on Computational geometry SCG '06**

Publisher: ACM Press

Full text available:  pdf(204.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We study the problem of conflict-free (CF) coloring of a set of points in the plane, in an online fashion, with respect to halfplanes, nearly-equal axis-parallel rectangles, and congruent disks. As a warm-up exercise, the online CF coloring of points on the line with respect to intervals is also considered. We present randomized algorithms in the oblivious adversary model, where the adversary does not see the colors used. For the problems considered, the algorithms always produce valid CF colori ...

Keywords: conflict-free coloring, online algorithm

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Yau-Hwang Kuo; Jang-Pong Hsu;

[Neural Networks, 1996., IEEE International Conference on](#)

Volume 2, 3-6 June 1996 Page(s):718 - 723 vol.2

Digital Object Identifier 10.1109/ICNN.1996.548984

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IEEE CNF IEEE Conference Proceeding

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 2. Towards image retrieval for eight percent of color-blind men

Kovalev, V.A.;

[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International C](#)

Volume 2, 23-26 Aug. 2004 Page(s):943 - 946 Vol.2

Digital Object Identifier 10.1109/ICPR.2004.1334414

[AbstractPlus](#) | Full Text: [PDF\(548 KB\)](#) [IEEE CNF Rights and Permissions](#)

IEEE STD IEEE Standard

 3. An effective color scale for simultaneous color and gray-scale publication

McNames, J.;

[Signal Processing Magazine, IEEE](#)

Volume 23, Issue 1, Jan. 2006 Page(s):82 - 96

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Liu, S.; Wei Ma; Schalow, D.; Spruill, K.;

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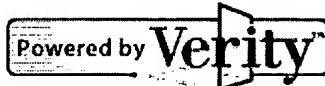
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